What is claimed is:

1 1.	A method for processing seismic data comprising:
2	(a) comparing data in a window comprising a portion of a first data segment
3	with data in a corresponding window comprising a portion of a second
4	data segment, wherein said first data segment and said second data
5	segment are selected from a plurality of data segments acquired using a
6	plurality of seismic sweeps; and
7	(b) changing said data in a window using said data in a corresponding window
8	based on said comparison.
1 2.	The method of claim 1, wherein changing said data in a window further comprise
2	replacing said data in a window using said data in a corresponding window.
1 3.	The method of claim 1 further comprising stacking said plurality of data segments
2	to form a new data segment.
1 4.	The method of claim 3 further comprising extracting a listen time from said new
2	data segment.
1 5.	The method of claim 1 wherein said plurality of data segments each comprise a
2	recorded data and a listen time

1

2

3

1	6.	The method of claim 1 further comprising phase shifting said second data
2		segment to a phase corresponding to said first data segment.

- 7. The method of claim 1 wherein said second data segment comprises a
 combination of a plurality of said plurality of data segments.
- 1 8. The method of claim 7 wherein said combination comprises combining said
 2 plurality of said plurality of data segments using at least one of: i) an arithmetic
 3 average, ii) a median average, and iii) a weighted average.
 - 9. The method of claim 1 further comprising using RMS values for comparing said data in a window of a first data segment with said data in a window of a second data segment.
- 1 10. The method of claim 1 wherein a listen time data segment is combined with an initial data segment by time series addition.